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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/692,253	10/23/2003	John Taylor Christiansen		8611

7590 09/07/2005

Robert M. Mason  
13601 Preston Rd., 402W  
Dallas, TX 75240

EXAMINER
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SIMONE, CATHERINE A

ART UNIT	PAPER NUMBER
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1772

DATE MAILED: 09/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/692,253

Applicant(s)

CHRISTIANSEN, JOHN TAYLOR

Examiner

Catherine Simone

Art Unit

1772

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Rapp (US 2,963,128).

Rapp discloses partially rigid and partially collapsible foldable sheet material having a longitudinal direction and a transverse direction generally perpendicular to the longitudinal direction comprising alternating longitudinal rigid strips that are rigid in the transverse direction and longitudinal collapsible strips that are collapsible in the transverse direction; the longitudinal rigid strips are formed of generally parallelogram shaped portions, each generally parallelogram shaped portion of the same rigid section being generally the same dimension in the transverse direction; and longitudinal collapsible sections are formed of at least one quadrilateral shaped portion and formed such that any longitudinal collapsible section is the mirror image of its nearest longitudinal collapsible section (see Fig. 3 shown below). Regarding claim 2, the longitudinal collapsible sections are formed of quadrilateral portions (see Fig. 3 shown below). Regarding claim 3, a lamination portion adhered to a top side or a bottom side or both top and bottom side of the collapsible structure (Fig. 1, #10 and #12). Regarding claim 4, the collapsible

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sections are retained in the collapsed structure by adhering one surface portion to another surface portion (see col. 4, line 28).

Regarding claim 5, Rapp discloses a partially collapsible structure made from foldable sheet material comprising longitudinal collapsible sections separated by longitudinal rigid sections; the longitudinal rigid sections are formed by a series of rectangular portions having substantially uniform transverse dimensions within each section; the longitudinal collapsible sections are formed by a series of geometric-shaped portions, at least one of which is a quadrilateral (see Figure 3 shown below); and adjacent longitudinal rigid sections and longitudinal collapsible sections meet at an edge such that when the collapsible section is collapsed and forms two opposite surfaces, one entire edge is not covered when viewed from one surface (see Fig. 2). Regarding claim 6, the longitudinal collapsible sections are formed of quadrilateral portions (see Fig. 3 shown below). Regarding claim 7, one or more of the quadrilateral portions include folds that define triangular areas (Fig. 1, #36). Regarding claim 8, one or more of the quadrilateral portions include triangular areas (Fig. 1, #36). Regarding claim 9, a lamination portion adhered to a top side or a bottom side or both top and bottom side of the collapsible structure (Fig. 1, #10 and #12). Regarding claim 10, the collapsible sections are retained in the collapsed structure by adhering one surface portion to another surface portion (see col. 4, line 28).

Regarding claim 11, Rapp discloses a partially collapsible structure made from foldable sheet material comprising a series of longitudinal folds and transverse folds defining alternate longitudinal rigid strips and longitudinal collapsible strips; each longitudinal rigid strip comprising a series of generally rectangular portions joined in the longitudinal direction and

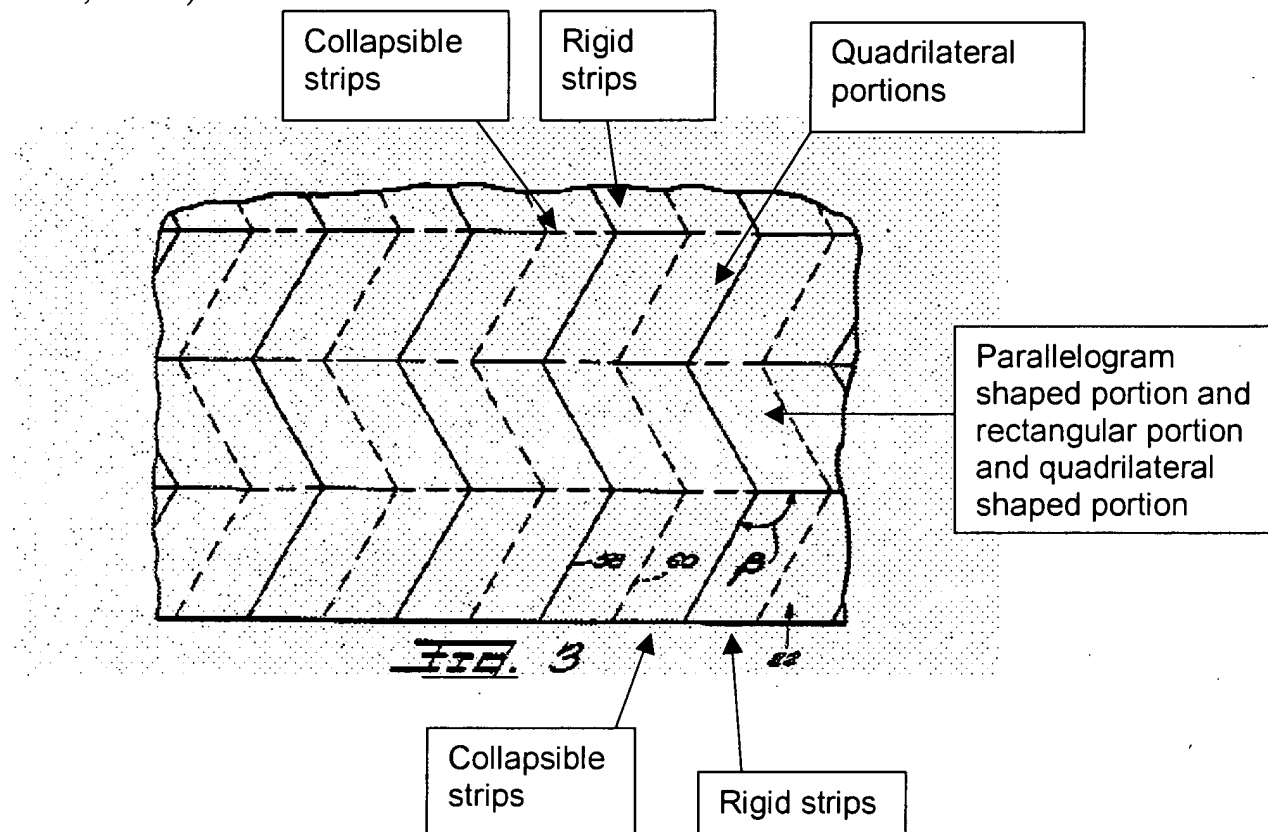
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substantially equidistant in the transverse direction; each longitudinal collapsible strip comprising a generally quadrilateral-shaped portion such that all quadrilateral shaped portions within each longitudinal collapsible section are not comprised of a series of 3 right isosceles triangular shaped areas (see Fig. 3 shown below). Regarding claim 12, a lamination portion adhered to a top side or a bottom side or both top and bottom side of the collapsible structure (Fig. 1, #10 and #12). Regarding claim 13, the collapsible sections are retained in the collapsed structure by adhering one surface portion to another surface portion (see col. 4, line 28).

Regarding claim 14, Rapp discloses a partially rigid and partially collapsible foldable sheet material having a longitudinal direction and a transverse direction generally perpendicular to the longitudinal direction comprising at least one longitudinal rigid strip that is partially rigid and partially collapsible in the transverse direction and at least one alternating longitudinal collapsible strip that is collapsible in the transverse direction; the longitudinal rigid strip is formed of generally quadrilateral portions, each generally quadrilateral portion of the same rigid strip being generally the same dimension in the transverse direction; the longitudinal collapsible strip is formed of at least one quadrilateral-shaped portion (see Fig. 3 shown below). Regarding claim 15, note two or more rigid strips separated by a collapsible strip (see Fig. 3 shown below). Regarding claim 16, note two or more collapsible strips separated by a rigid strip (see Fig. 3 shown below). Regarding claim 17, note any longitudinal collapsible section is the mirror image of its nearest longitudinal collapsible section (see Fig. 3 shown below and see Fig. 2). Regarding claim 18, a lamination portion adhered to a top side or a bottom side or both top and bottom side of the collapsible structure (Fig. 1, #10 and #12). Regarding claim 19, the collapsible sections are

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retained in the collapsed structure by adhering one surface portion to another surface portion (see col. 4, line 28).



### ***Conclusion***

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Catherine Simone whose telephone number is (571)272-1501. The examiner can normally be reached on 9:30-6:00.

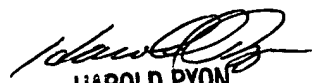
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harold Pyon can be reached on (571) 272-1498. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Catherine A. Simone  
Examiner  
Art Unit 1772  
September 2, 2005



HAROLD PYON  
SUPERVISORY PATENT EXAMINER  
1772

9/2/05